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PHOTOGRAPHIC INTERPRETATION REPORT

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

POSSIBLE VLF-DF ARRAYS AT SOVIET KRUG COMMUNICATIONS SUPPORT FACILITIES, USSR

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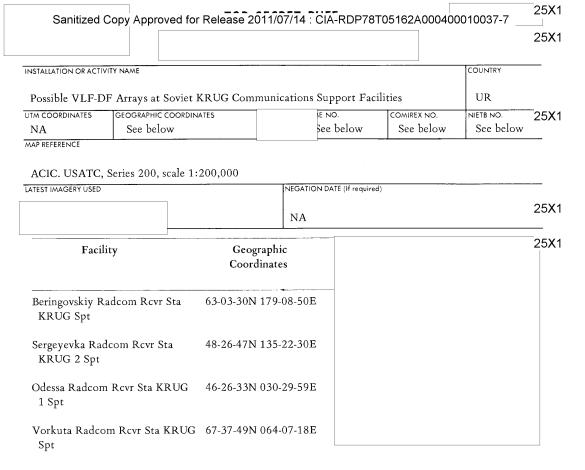
AUGUST 1974

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ABSTRACT

- 1. This report describes arrays possibly used for very-low-frequency direction-finding which have been observed at four Soviet KRUG radio communications receiving support stations.
- 2. The report contains a listing of the four facilities, an annotated photograph of each array, a location map, and a table of mensural data on each antenna array.

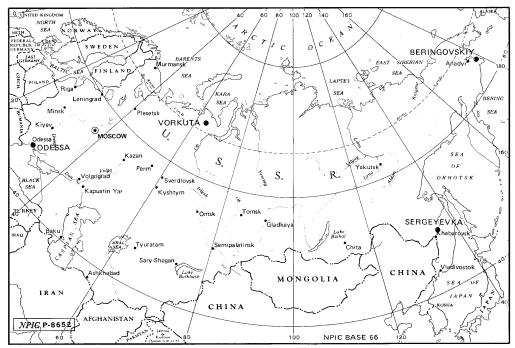


FIGURE 1. LOCATIONS OF POSSIBLE VLF-DF ARRAYS AT SOVIET KRUG COMMUNICATIONS SUPPORT FACILITIES

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	INTRODUCTION		
		Callar (VIEDE) has been	
3. An array possibly identified at four Soviet KR	used for very-low-frequency direction UG radio communications receiving sup	of the port stations (Figure 1).	
4. The array is simila which has been used for VI	r in configuration and size to the Cana .F-DF.	dian CROSSED LOOPS array	
	BASIC DESCRIPTION		
5. Each array consists of four short masts (items A - D, Figures 2 - 5) in a square configuration with a taller mast (item E) in the center. The antenna elements appear to extend from the top of the tall mast down to the top of each of the four shorter masts. There are two unidentified objects on the central tall mast which appear to be circular and are Table 1, which is keyed to Figures 2 through 5, provides mensuration of the four arrays. 6. The array is adjacent to the control building at each of the four facilities. The configuration			2
of the array appears to be the of the shorter masts could be	ne same at each of the four facilities exc be identified.	ept Odessa, where only three	
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	REFERENCES		
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MAPS OR CHARTS			
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